

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
 Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Ohio [39] Morrow County [117] Peru [62260] .2 MI.E.INT.CR24 & TR221 40-51-12 = 40.853333 082-54-54 = - 82.915000

5932602 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! TR221 Toll On free road [3] Features intersected ALUM CREEK

Design - main Aluminum, Wrought Iron or Cast Iron [9] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built 1906 Year reconstructed 1989

Skew angle 12 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 27.7 m = 90.9 ft Length of maximum span 26.5 m = 86.9 ft Deck width, out-to-out 4.8 m = 15.7 ft Bridge roadway width, curb-to-curb 4.7 m = 15.4 ft

Inventory Route, Total Horizontal Clearance 4.7 m = 15.4 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Corrugated Steel [6]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 5.5 metric ton = 6.1 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 7.1 metric ton = 7.8 tons

Bridge posting Design Load

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

Border bridge - state Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Better than present minimum criteria [7]

Condition ratings - deck

Satisfactory [6]

Scour

Bridge foundations determined to be stable for assessed or calculated scour condition. [5]

Channel and channel protection

Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

26.9

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

November 2010 [1110]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

November 2009 [1109]

Other special inspection

Not needed [N]

Other special inspection date

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5 9 3 2 6 0 2
1 Structure File Number 7

Bridge Number **MRW T0221 01362 29** PERU TWP
CO ROUTE UNIT

Date Built **07/01/1906 - 1989**

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**

Type Service **1 15 ALUM CREEK**

MRW

DECK		Out/Out 15.8	2	THCK = 2.0		2
1. Floor	6-CORRUGATED STEEL PLATE	8	2	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
		N-NONE		W.S. Date = 01/01/1989		
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	6-STEEL POST & STEEL PAN	10	2	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	N-NONE	11		8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=87	2			
9. Alignment		12	2	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
		TOT.LGTH=91				
11. Diaphragms or Crossframes		13		12. Joists/Stringers		46
13. Floor Beams		14	3	14. Floor Beam Connections		47
15. Verticals		15	2	16. Diagonals		48
17. End Posts		16	2	18. Top Chord		49
19. Lower Chord		17	3	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19		24. Bearing Devices	A-SLIDING (OTHER) N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = N-NONE DATE = 01/01/1989	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		1-STONE	1	PIERS=0 SPANS = 1		2
33. Abutments	1-STONE	24	1	34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	1	38. Wingwalls	ABUTMENT:=UNKNOWN / UNKNOWN	59
39. Fenders and Dolphins		27		40. Scour	5-STABLE: SCOUR WITHIN L	60
41. Slope Protection	N-NONE	28		42. Summary		62
				DIVE DT=N/A		
CULVERTS						
43. General		29		44. Alignment		63
45. Shape		30		46. Seams		64
47. Headwalls or Endwalls		31		48. Scour		65
49.		32		50. Summary		66
CHANNEL						
51. Alignment		33	3	52. Protection	N-NONE	67
53. Waterway Adequacy		34	2	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=15.5	37	3	60. Summary		71
				PCT.LEGAL=45		
GENERAL						
61. Navigation Lights		38		62. Warning Signs	ROUTINE.RESP: 3-COUNTY MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=9999 UND=0000	39		64. Utilities		73
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status		74
				COND 4 STAT P		

67. INSPECTED BY

68. REVIEWED BY

SIGNED

4 8 5 7 3
76 PE

D H G
78 INITIALS

SIGNED

4 5 8 5 8
81 PE

L R B
83 INITIALS

DOT 2852

DECK AREA 1,442

Date 1 2 2 2 1 1
86 91

0 0 0 0 0 N N N
92 69 Survey 99

Date 0 3 0 6 1 2
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	9	3	2	6	0	2
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1 Structure File Number 7

Bridge Number **MRW T0221 01362 29**
CO ROUTE UNIT

Date Built 07/01/1906 - 1989

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**

Type Service **1 15**

ALUM CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.

Unit of Measure: **English**
Structure File Number **5932602**
Sufficiency Rating: **26.9 SD**

Bridge Inventory Information
Inventory Bridge Number: **MRW T0221 01362 29**
ON ALUM CREEK

Report Date **08/21/2012** **BM-191** Page: 1 of 2
BR. Type WROUGHT IRON / TRUSS / THRU
Date of Last Inventory Update: **03/20/2012**

District: **06** County **MORROW** (101) Location: **.2 MILE.INT.CR24 & TR221** (102) Facility Carried: **TR221**
(2) FIPS Code: **PERU TWP** (103) Route On Bridge: **TOWNSHIP** (104) Route Under Bridge: **NON-HIGHWAY**
(9) Direction of Traffic: **ONE LANE FOR 2-WAY TRAFFIC** (10) Temporary: **N** (11) Truck Network: **N** (12) Parallel: **N**
(95) Insp: **COUNTY** (96) Maint: **COUNTY** (97) Routine: **COUNTY** (100) Type Serv: (On): **HIGHWAY** (Under): **WATERWAY**

Inventory Route Data
(3) Route On/Under: **ON** Hwy Sys: **COUNTY/TOWNSHIP HIGHWAY** (63) Main Spans Number: 1 Type: **WROUGHT IRON / TRUSS / THRU**
Route No.: **T0221** Dir: Des: **MAINLINE** Pref: Approach Spans Number: **0** Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **87** Ft (66) Overall Leng: **91** Ft

(4) Feature Intersected: **ALUM CREEK** (70) Substructure (71) Foundation and Scour Information
(5) County: **PRU** Mileage: **01362** Special Desig: **29** Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
(6) Avg. Daily Traffic(ADT): **100** (7) ADT Year: **1992** Abut-Fwd Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
(8) Truck Traf: **2** (14) NHS: **NO - X** (15) Corridor: **N** Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable** Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**

Intersected Route Data
(22) Route On/Under: Hwy Sys: No of Piers Predominate: **NN** Other: **NN** Other: **NN**
Route No.: Dir: Des: Pref: (86) Stream Velocity: **UUU** (74) Scour: **STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE**
(23) Feature Intersected: (189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **NONE**
(24) County: Mileage: Special Desig: (189) Date of last Dive Insp: (152) Drainage Area: **UUU** Sq Mi

(25) Avg. Daily Traffic(ADT): **0** (26) ADT Year:
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:
(30) Functional Class: (36) Strahnt: **Not Applicable**

Clearance Under the Bridge

(156) Min. Horiz Under Clear: NC: **0.0** Ft Card: **0.0** Ft
(157) Prac Max Vrt Under Clear: **0.0** Ft
(77) Min Vert Under Clear: NC: **0.0** Ft Card: **0.0** Ft
(78) Min Lat Under Clear: NC: **0.0 / 0.0** Ft Card: **0.0 / 0.0** Ft

Clearance On the Bridge
(154) Min Hriz on Bridge: NC: **0.0** Ft Card: **15.5** Ft
(155) Prac Max Vert On Brg: **9999.9** Ft
(67) Min Vrt Clr On Brg: NC: **0.0** Ft Card: **9999.9** Ft
(80) Min Latl Clr: NC: **0.0 / 0.0** Ft Card: **0.0 / 0.0** Ft
(81) Vrt Clr Lft: **0.0** Ft

Structure Information
(38) Bypass Length: **02** Miles
(39) Latitude: **0** Longitude: **0**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1906** (42) Major Rehabilitation: **01/01/1989**
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **12** Deg
(49) App. Rdw Width: **16** Ft (50) Brg. Rdw Width: **15.5** Ft
(51) Deck Width: **15.8** Ft Deck Area: **1442** Sq. Ft
(52) Median Type: **NONE / NON BARRIE / NO JOINT**
(53) Bridge Median: **NO MEDIAN**
(54) Sidewalks: (left) **0** Ft (right) **0** Ft
(55) Type Curb or Sidewalks:
(Left) Matl: **NONE** Type: **NONE**
(Right) Matl: **NONE** Type: **NONE**
(56) Flared: **N** (57) Composite: **non-composite**
(58) Railing: **STEEL POST & STEEL PANEL (DECORATIVE)**
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**
(60) Deck Type: **CORRUGATED STEEL PLATE**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **BITUM (ASPHLT CONCRT)**
Thickness: **2.0** in (119) Date of Wearing Surface: **01/01/1989**
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

Load Rating Information (88-89) Appraisal

(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)
(83) Operating: **8** Ton
Inventory: **6** Ton
Ohio Percent of Legal Load **45** (88) Waterway Adequacy **8**
Year of Rating: **2011** (89) Approach Alignment **3**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **3**
(85) Rate Soft: **OTHER** Analyzed by: **DHT** Calc Deck Geometry: **7**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

Approach Information

(109) Approach Guardrail: **NONE**
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **GOOD**

Culvert Information

(131) Culvert Type: **NONE/NOT APPLICBLE** (127) Length: **0.0** Ft
(129) Depth of Fill: **0.0** Ft (130) Headwalls: **NONE**

General Information

(121) Main Member **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **SLIDING (OTHER)/NONE**
(126) Navigation: **Control- N** Vert Clr: **0.0** Ft Horiz Clear: **0.0** Ft
(193) Spec Insp: **N** Freq: **0** Date:
(188) Fracture Critical Insp: **Y** Freq: **24** Date: **2010-08-18**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **NONE** (139) Framing: **NONE**
Railing: **OTHER**
Paint: **NONE**
Pay Wt: **0** pounds Prime Loc: **UNKNOWN**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **5932602**
 Sufficiency Rating: **26.9 SD**

Bridge Inventory Information
 Inventory Bridge Number: **MRW T0221 01362 29**
ON ALUM CREEK

Report Date **08/21/2012** **BM-191** Page: 2 of 2
 BR. Type **WROUGHT IRON/TRUSS/THRU**
 Date of Last Inventory Update: **03/20/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NON-REGISTERED HISTORIC BRIDGE		(69) NBIS: Y		(142) Fabricator: CAPITOL CONST			
(---) Hist Builder: CAPITOL CONSTRUCTION CO		Hist Build Year: 1906		(143) Contractor: CAPITOL CONST			
(COLUMBUS, OH)				(144) Ohio Original Construction Project No.: 0000PC			
(69) Hist Type: WARREN (RIVETED)				(-- Microfilm Reel:			
(161) Special Features (see below):				(151) Standard Drawing:			
(105) Border Bridge State: Resp % (106) SFN:				Aperture Cards: Orig: N Repair: N Fabr: N			
Proposed Improvements		Programming Info		Plan Information Available: 1PLAN INFORMATION AVAILABLE			
(90) Type Work: -		PID Number:		(153) Repair Projects			
(90) Length: Ft		PID Status:		1. / 020	2. / MMM	3. / 020	
(90) Bridge Cost (\$1000s): 0		PID Date:		4. / 044	5.	6.	
(90) Roadway Cost (\$1000s): 0				7.	8.	9.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		10.			
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033		Utilities		Special Features	
Inspection Summary		(I-69) Survey Items		(46) Electric: N		(161) Lighting: N	
(I-8) Deck: 6	Railings: 0 DOES NOT MEET CURRENT STANDARDS			Gas: N			Fencing: N
(I-32) Superstructure: 4	Transitions: 0 DOES NOT MEET CURRENT STANDARDS			Sanitary Sewer: N			Glare-Screen: N
(I-42) Substructure: 6	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS			Telephone: N			Splash-Guard: N
(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS			TV Cable: N			Catwalks: N
(I-54) Channel: 5	In Depth: 0 DOES NOT MEET CURRENT STANDARDS			Water: N			Other-Feat: N
(I-60) Approaches: 5	Fracture Critical: N NONE N/A			Other: N			(184) Signs-on: N
(I-66) General Appraisal: 4	Scour Critical: N NONE N/A					Signs-Under: N	
(I-66) Operational Status: P	Critical Findings: N NONE N/A					(162) Fence-Ht: 0.0 Ft	
Inspection Date: 12/22/2011	Insp. Update Date: 03/13/2012					(163) Noise Barr: N	
(94) Desig Insp Freq: 12 Months							
SFNs Replacing this retired bridge: -				INV Field Bridge Marker:		MRW-T0221-01362-29	
SFNs That where replaced by this bridge: -				INT Field Bridge Marker:		---	
This bridge was retired and copied to:							
The bridge was copied from:							

PONTIS CoRe elements and Condition States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
		0						

(*) Percentages Should add to 100%